

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> BOS	<u>PROCEDURE NAME</u> ILS OR LOC RWY 22L	<u>ORIGINAL/AMENDMENT</u> 8E	<u>CITY</u> BOSTON	<u>STATE</u> MA
<u>AIRPORT ELEVATION</u> 19	<u>TDZE</u> 16	<u>SUPERSEDED</u> ILS OR LOC RWY 22L	<u>ORIGINAL/AMENDMENT</u> 8D	<u>DATED</u> 08/13/2020
<u>FACILITY</u> I-LQN	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 13 JUNE 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 15W
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
NOLEY/I-LQN 12.94 DME/RADAR	IF	WYANE/I-LQN 9.43 DME/RADAR					214.74	3.51 (I-LQN)	3000
WYANE/I-LQN 9.43 DME/RADAR		VOCUS/I-LQN 4.57 DME/RADAR					214.74	4.86 (I-LQN)	1700

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.12 NM AFTER VOCUS/I-LQN 4.57 DME/RADAR

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 ON BOS VOR/DME R-219 TO WINNI/BOS 15.62 DME/RADAR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 600 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 160 AND ON LFV VOR/DME R-305 TO CELTS INT/LFV 36.65 DME AND HOLD.

PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT NOLEY/I-LQN 12.94 DME/RADAR					
3.	FAC:	214.74	FAF:	VOCUS/I-LQN 4.57 DME/RADAR	DIST FAF TO MAP:	5.12
4.	MIN ALT:	NOLEY/I-LQN 12.94 DME/RADAR 4000, WYANE/I-LQN 9.43 DME/RADAR 3000, VOCUS/I-LQN 4.57 DME/RADAR 1700, ZUMOL/I-LQN 1.45 DME/RADAR 700			DIST FAF TO THLD:	5.12
5.	DIST TO THLD FROM OM:	1700	MM:	IM:	150 HAT:	GS ANT: 1060
6.	MIN GS INCPT:	1700	GS ALT AT PFAF:	VOCUS/I-LQN 4.57 DME/RADAR 1700	OM:	MM:
7.	GS ANGLE:	3.00	34:1:	20:1:	TCH:	55.4
8.	MSA FROM:	BOS VOR/DME 215-305 2500, 305-215 2000				



EQUIPMENT REQUIREMENTS NOTES:

RADAR REQUIRED FOR PROCEDURE ENTRY.
DME OR RADAR REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 22L.

ADDITIONAL FLIGHT DATA:

CHART IN PROFILE VIEW: I-LQN DME ANTENNA.
CHART 700 BLDG 422108N/0710323W.
CHART 639 BLDG 422120N/0710308W.
HOLD SW, RT, 038.70 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE CELTS INT/LFV 36.65 DME, RT, 304.96 INBOUND.
CHART FAS OBST: 234 BLDG (25-000555) 422413N/0705926W.
CHART VDP AT 0.88 DME.
DISTANCE VDP TO THLD 1.42 NM.
CHART IN PLANVIEW: CELTS INT/LFV 36.65 DME.

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ ILS: STANDARD; LOC: STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 22L	216	4000	200	216	4000	200	216	4000	200	216	4000	200			
S-LOC 22L	540	4000	524	540	4000	524	540	1 1/4	524	540	1 1/4	524			

CHANGES - REASONS

- REMOVED CIRCLING MINIMUMS - PER FPT, ATC WOULD LIKE TO REMOVE THE CIRCLING LINE OF MINIMUM DUE TO THIS LOCATION NEVER USING CIRCLING.
- PROFILE LINE 4: REMOVED ASTERISK FROM "ZUMOL/I-LQN 1.45 DME/RADAR 700" - NO LONGER REQUIRED BY CRITERIA.
- REMOVED CHART NOTE: "CIRCLING NA TO RWY 14" - CIRCLING MINS REMOVED AT THIS AIRPORT, PER ATC.
- REMOVED CHART NOTE: "CIRCLING NA FOR CATS C AND D W OF RWYS 4L AND 15R" - CIRCLING MINS REMOVED AT THIS AIRPORT, PER ATC.
- ADDITIONAL FLIGHT DATA: REMOVED "CHART CIRCLING ICON" - CIRCLING MINS REMOVED AT THIS AIRPORT, PER ATC.
- ADDITIONAL FLIGHT DATA: REMOVED "LOC ONLY" AND THE ASTERISK FROM "CHART VDP AT 0.88 DME" - NO LONGER REQUIRED BY CRITERIA.
- ADDITIONAL FLIGHT DATA: ADDED FAS OBST ID - 8260.19I, 8-6-11.
- ALTERNATE MINIMUMS CHANGED FROM "ILS: STANDARD; LOC: CAT A 1000-2, CAT B 1100-2" TO "ILS: STANDARD; LOC: STANDARD" - REMOVED CIRCLING MINS; 8260.3E, 3-4-1.



COORDINATED WITH:

A4A

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ALPA

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AOPA

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APA

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HAI

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NBAA

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OTHER: ZBW, BOS APP CON, AMGR

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by
DAVID DANNER
Apr 25, 2024

DEVELOPED BY

TIMOTHY JOHNSON

Digitally signed by
Timothy Johnson
Apr 18, 2024

OFFICE

DATE

AJV-A421

11/24/2023

APPROVED BY

DAVID DANNER

Digitally signed by
DAVID DANNER
Apr 25, 2024

OFFICE

DATE

TITLE

AJV-A421

05/16/2024

MANAGER

